Title (en)

System and method for hierarchical adaptive dynamic egress port and queue buffer management

Title (de)

System und Verfahren für hierarchische adaptive dynamische Ausstiegsanschluss- und Warteschlangenpufferverwaltung

Title (fr)

Système et procédé de gestion de tampon de file d'attente et de port de sortie dynamique adaptative hiérarchique

Publication

EP 2608467 A1 20130626 (EN)

Application

EP 12005819 A 20120810

Priority

- US 201161577702 P 20111220
- US 201213523994 A 20120615

Abstract (en)

A system and method for hierarchical adaptive dynamic egress port and queue buffer management. Efficient utilization of buffering resources in a commodity shared memory buffer switch is key to minimizing packet loss. Efficient utilization of buffering resources is enabled through adaptive queue limits that are derived from an adaptive port limit.

IPC 8 full level

H04L 47/22 (2022.01)

CPC (source: EP KR US)

G06F 12/00 (2013.01 - KR); **H04L 49/9005** (2013.01 - EP US); H04L 47/6215 (2013.01 - EP US); H04L 49/9036 (2013.01 - EP US); H04L 2012/5603 (2013.01 - KR)

Citation (search report)

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- [A] US 6535484 B1 20030318 - HUGHES DAVID A [US], et al
- [A] US 2009010162 A1 20090108 - BERGAMASCO DAVIDE [US], et al
- [A] CA 2273291 A1 20001127 - NEWBRIDGE NETWORKS CORP [CA]
- [I] ELLEN L HAHNE ET AL: "Dynamic Queue Length Thresholds for Multiple Loss Priorities", IEEE / ACM TRANSACTIONS ON NETWORKING, IEEE / ACM, NEW YORK, NY, US, vol. 10, no. 3, 1 June 2002 (2002-06-01), XP011077163, ISSN: 1063-6692
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2608467 A1 20130626; **EP 2608467 B1 20140611**; CN 103179049 A 20130626; CN 103179049 B 20160824; HK 1183990 A1 20140110; KR 101413001 B1 20140627; KR 20130085918 A 20130730; TW 201329741 A 20130716; TW I550411 B 20160921; US 2013155859 A1 20130620; US 8665725 B2 20140304

DOCDB simple family (application)

EP 12005819 A 20120810; CN 201210560969 A 20121220; HK 13111139 A 20130929; KR 20120105012 A 20120921; TW 101140290 A 20121031; US 201213523994 A 20120615